

ABSTRACT

A make-and-break contact material which is less worn out and is able to achieve an increased life compared to a conventional material of Ag-CdO-based alloy, in an AC general relay used for a resistive load of about 1 to 20A in a range of AC 100V to 250V. In the present invention, the make-and-break contact material of Ag-Ni-based alloy used for a switching part performing electrical switching through mechanical switching operation is the make-and-break contact material of Ag-Ni-based alloy with Ni metal particles dispersed therein which is obtained through mixing and stirring 3.1 to 20.0wt% of Ni powder, a certain amount of  $\text{Li}_2\text{CO}_3$  powder corresponding to 0.01 to 0.50wt% of metal Li as an additive, and a balance being Ag powder to make a mixture with the above described powders uniformly dispersed therein, and through compacting and sintering the above described mixture.